

## Product datasheet for **RN202464**

### **Cd81 (NM\_013087) Rat Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cd81 (NM_013087) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cd81
Synonyms:	Tapa1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN202464 representing NM_013087 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGGTGGAGGGCTGCACCAATGCATCAAATACCTGCTCTTCGTCTTCAATTCGTCTTCTGGCTGG  
CTGGAGGTGTGATCCTAGGTGTAGCTCTGTGGTTGCGCCATGATCCACAGACCACCACCTTGCTCTACCT  
GGAAGTGGGAGACAAACCAGCACCTAGCACCTTCTATGTGGGCATCTACATTCTCATTGCTGTGGGAGCT  
GTGATGATGTTTGTAGGCTTCTGGGGTGTATGGGGCCATCCAGGAGTCCAGTGCCTGCTGGGGACGT  
TCTTCACTTGCCTTGATCCTGTTTGCCTGTGAGGTAGCTGCGGCATCTGGGGCTTTGTAACAAAGA  
CCAGATCGCCAAGGATGTGAAGCAGTTCTACGACCAGGCCCTTACGAGGCTGTGATGGATGATGATGCC  
AACAATGCCAAGGCAGTGGTGAAGACCTTCCATGAGACGCTCAACTGTTGTGGCTCCAATACGCTGACCA  
CACTGACCACCGCGTGTGAGGAACAGCCTGTGTCCCTCAAGCAGCAACTCATTCACTCAGCTTCTGAA  
GGAAGACTGCCATCAGAAAATCGATGAGCTCTTTTCTGGGAAGCTGTACCTCATTGGAATTGCAGCCATT  
GTGGTAGCTGTCATTATGATCTTCGAGATGATTCTGAGCATGGTGTGCTGTGGCATCCGGAACAGCT  
CCGTGTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	<a href="https://cdn.origene.com/chromatograms/ja2578_a03.zip">https://cdn.origene.com/chromatograms/ja2578_a03.zip</a>
Restriction Sites:	Sgfl-MluI
ACCN:	NM_013087
Insert Size:	711 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_013087.1](#), [NP\\_037219.1](#)

**RefSeq Size:** 1303 bp

**RefSeq ORF:** 711 bp

**Locus ID:** 25621

**Cytogenetics:** 1q41-q42

**Gene Summary:** may play a role in glial scar formation in response to astrocyte injury; may be involved in regulation of cell interactions and cell growth [RGD, Feb 2006]